

N. TYPHOON SALLY (211200Z-291800Z SEPTEMBER 1961)

THE 191800Z SURFACE CHART WAS THE FIRST TO SHOW THE EXISTENCE OF AN AREA OF LOW PRESSURE SITUATED TO THE E OF ENIWETOK ATOLL. AS THIS LOW MOVED TOWARD THE W, ITS FALLING PRESSURES AND INCREASING RADIUS OF CYCLONIC WINDS GAVE INDICATIONS OF INTENSIFICATION. THE FIRST TROPICAL DEPRESSION WARNING WAS ISSUED AT 212200Z, HOWEVER, SUBSEQUENT RECONNAISSANCE INVESTIGATIONS SHOWED LIGHT WINDS AND NO ORGANIZED CENTER; AND A FINAL WARNING WAS ISSUED AT 221200Z.

AERIAL SURVEILLANCE CONTINUED, BUT NO APPARENT CHANGE WAS NOTED. A PHOTOGRAPH OF THIS SYSTEM SHOWING A WELL DEFINED VORTEX WAS TAKEN AT 240047Z BY TIROS THREE DURING ITS 1056TH ORBIT. THE RECONNAISSANCE FIX OF 250455Z CONFIRMED THIS AND REPORTED 25 KT WINDS AND A 993 MB SLP. THE ISSUANCE OF TROPICAL DEPRESSION WARNINGS WAS RESUMED AT 250600Z. AT THIS TIME THE CENTER WAS MOVING TOWARD THE WNW AT 11 KTS AND INTENSIFYING SLOWLY. THE FIRST TROPICAL STORM WARNING WAS ISSUED AT 260600Z ALTHOUGH POST ANALYSIS SHOWS THAT SALLY ACTUALLY BECAME A TROPICAL STORM AT 251800Z. SHE STARTED A GRADUAL TURN TOWARD THE W AND CONTINUED INTENSIFYING, REACHING TYPHOON STRENGTH AT 270600Z. SALLY REACHED HER MAXIMUM INTENSITY (70 KTS) AT 271200Z AND AT THIS TIME WAS HEADED W TOWARD SOUTHERN TAIWAN. SHE CROSSED THE ISLAND AT APPROXIMATELY 280600Z AND AFTER WEAKENING SLIGHTLY, AGAIN REACHED 70 KTS INTENSITY AS SHE ENTERED THE TAIWAN STRAITS. SALLY CONTINUED MOVING TO THE W UNTIL SHE ENTERED THE ASIATIC MAINLAND PASSING 15 MI N OF HONG KONG. SHE HAD WEAKENED TO ABOUT 40 KTS AT THIS TIME AND CONTINUED TO WEAKEN AS SHE TURNED TOWARD THE WSW. SALLY REMAINED APPROXIMATELY 30 MI INLAND AND MOVED PARALLEL TO THE COASTLINE UNTIL 291800Z WHEN THE FINAL WARNING WAS ISSUED.

SALLY TRAVELLED 2,775 MI FROM THE FIRST TO LAST WARNING, 1,850 MI OF THIS DISTANCE COVERED BY WARNINGS WHILE THE REMAINING 925 MI OCCURRED DURING THE PERIOD THAT WARNINGS WERE NOT ISSUED. SALLY'S MINIMUM SPEED WAS 9 KTS ON 26 SEPTEMBER AND THE MAXIMUM SPEED OF 20 KTS OCCURRED WHILE CROSSING THE ISLAND OF TAIWAN.

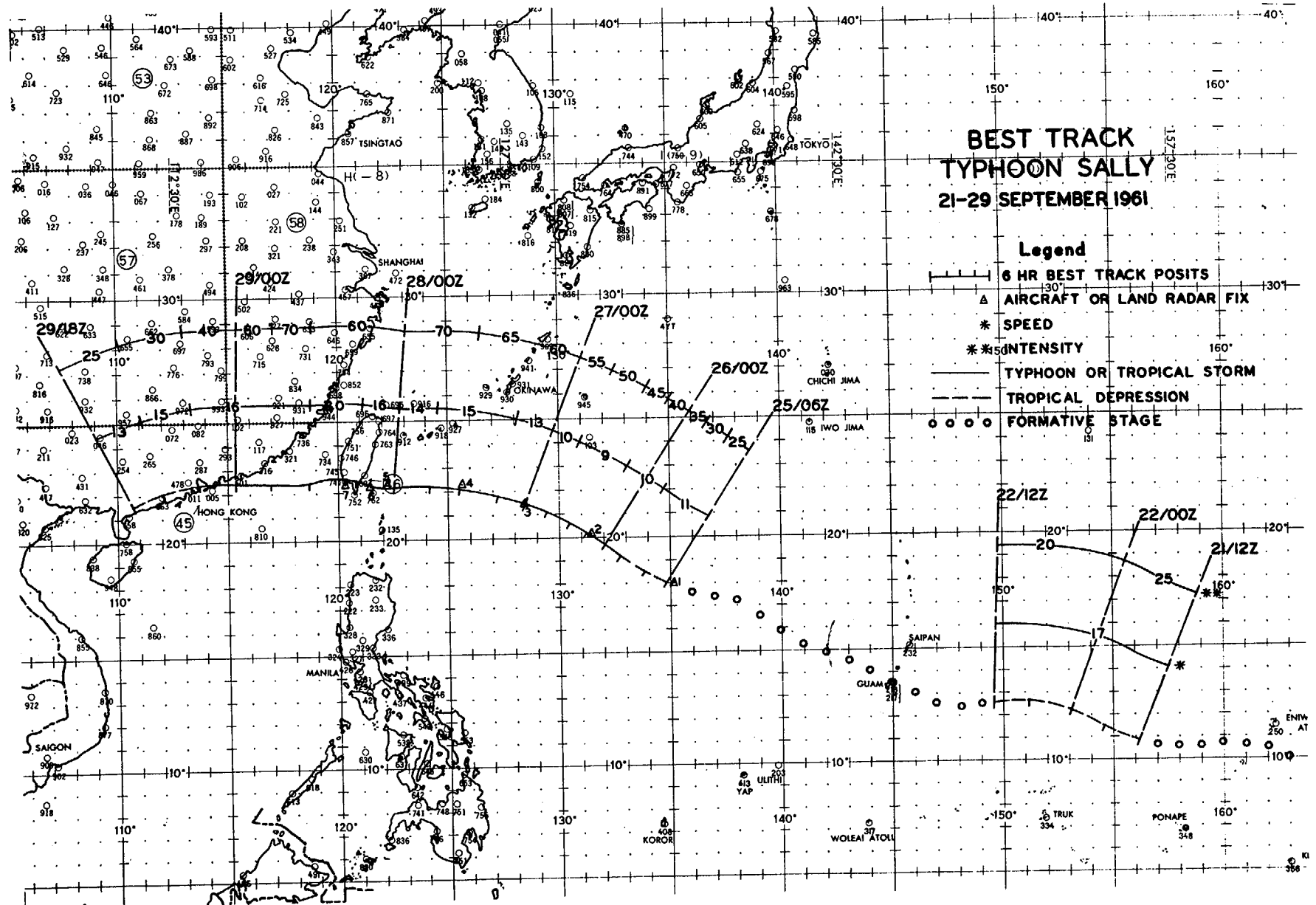
INFORMATION CONCERNING DAMAGE BY SALLY WAS EXTREMELY LIMITED. DAMAGE TO CROPS ON TAIWAN AND THE ASIATIC MAINLAND IS KNOWN TO HAVE OCCURRED, HOWEVER THERE IS NO INFORMATION REGARDING LOSS OF LIFE OR SHIPPING AVAILABLE.

# BEST TRACK TYPHOON SALLY 21-29 SEPTEMBER 1961

## Legend

- 6 HR BEST TRACK POSITS
- ▲ AIRCRAFT OR LAND RADAR FIX
- \* SPEED
- \* INTENSITY
- TYPHOON OR TROPICAL STORM
- - - TROPICAL DEPRESSION
- ○ ○ ○ FORMATIVE STAGE

143



LAND RADAR AND AIRCRAFT FIXES - TYPHOON SALLY

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	MIN SLP MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
1	250455Z	18.0N	135.1E	VW1-P-05	25	---	----	993	-----	-----
2	260545Z	20.3N	131.3E	VW1-P- U	40	---	----	984	-----	EYE 150 MI E-W
3	270020Z	21.5N	128.5E	VW1-P-10	60	---	----	983	-----	EYE 100 MI NW-SE 60 MI NE-SW
4	271130Z	22.3N	125.7E	LND/RDR	---	---	----	---	-----	DIA 40 MI
5	280100Z	22.3N	122.1E	LND/RDR	---	---	----	---	-----	WELL DEFINED
6	280300Z	22.3N	121.4E	LND/RDR	---	---	----	---	-----	ILL DEFINED
7	280800Z	22.3N	120.2E	LND/RDR	---	---	----	---	-----	-----

TYPHOON SALLY 21-29 SEP 1961  
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HR. ERROR	48 HR. ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
211200Z	11.0N	156.2E	-----	-----
211800Z	11.6N	154.7E	-----	-----
220000Z	12.3N	153.1E	-----	-----
220600Z	12.7N	151.3E	-----	-----
221200Z	12.6N	149.7E	-----	-----

NO WARNINGS ISSUED 221200Z TO 250600Z.

250600Z	18.1N	134.9E	-----	-----
251200Z	18.6N	133.9E	-----	-----
251800Z	19.2N	132.9E	-----	-----
260000Z	19.8N	132.1E	-----	-----
260600Z	20.3N	131.2E	-----	-----
261200Z	20.7N	130.4E	-----	-----
261800Z	21.1N	129.6E	-----	-----
270000Z	21.5N	128.6E	-----	-----
270600Z	21.9N	127.2E	355-158	-----
271200Z	22.1N	125.7E	017-168	-----
271800Z	22.3N	124.1E	039-204	-----
280000Z	22.3N	122.6E	080-289	-----
280600Z	22.6N	120.9E	064-303	030-404
281200Z	22.5N	118.8E	065-198	044-510
281800Z	22.5N	117.0E	051-249	050-592
290000Z	22.6N	115.2E	076-192	077-627
290600Z	22.5N	113.6E	039-244	062-736
291200Z	22.3N	112.0E	063-136	055-530
291800Z	21.7N	110.8E	029-181	046-621

AVERAGE 24 HOUR ERROR 211 MI  
AVERAGE 48 HOUR ERROR 574 MI

